

EVENT FOLLOW-UP REPORT

Participation to the event held on 25th of May 2023.



Event summary

| Type of event | Physical |
|--|--|
| Location (if physical) | Ploče, Port of Ploče Authority, Port of Ploče Entrance terminal |
| Date of the event | 25 th of May 2023. |
| Time/Duration | 11:00 – 14:00 |
| Purpose of the event (By whom was it organized? What was the objective?) Short description of the event (what happened during the event?) | Port of Ploče Authority has organized Local Public Event for the port stakeholders to present pilot activities resulted within the SUSPORT project focused on the project objectives. During the Local event Port of Ploče authority has shared its experiences, challenges, priorities of the project activities in within the SUSPORT project. Pilot activities and results have been presented to the stakeholders and objectives of the project. After the presentation of the pilot activities partners from the KIP presented objectives of the project DIGSEA. Local event has also included Study visit and presentation of the project DIGSEA. |
| Results/Outcomes of the event (What are the takeaways from the event?) | Presentation of the pilot actions and debate in thematic after sessions will help to improve the synergy between the port stakeholders and Port of Ploče Authority with aim to better encourage collaboration between them and target groups in port areas. |
| Number of attendees | 34 |
| Type of stakeholders/target groups that were represented | General public, terminal operators, Freight forwarders, ship agencies, local, national and public authorities, enterprises. Transport operators. |



Photos of the event:



Figure 1 Local Event Ploče





Figure 2 Local Event Ploče





Figure 3 Local Event Ploče





Figure 4 Local Event Ploče



Agenda:





LOCAL PUBLIC EVENT "SUSPORT" PROJECT AND STUDY VISIT PROJECT "DIGSEA"

Ploče, 25. 05. 2023. Glavna cesta 2, Ulazni terminal luke Ploče

European Regional Development Fund

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Poštovani.

pozivamo Vas na javno događanje u svrhu prezentacije projekta SUSPORT iz Programa INTERREG IT-HR uz predstavljanje pilot aktivnosti koje je Lučka uprava Ploče realizirala u sklopu projekta.

U sklopu ovog javnog događanja, Klaster intermodalnog prijevoza predstavit će i projekt DIGSEA kojemu je svrha unaprjeđenje poslovanja luka kroz digitalizaciju.

Održivi razvoj, obnovljivi izvori energije i digitalizacija su svakako u fokusu današnjih zbivanja te se nadamo da ćete nam se pridružiti na ovome događanju kako bismo razmijenili mišljenja i iskustva te uspostavili još bolju i efikasniju mrežu za buduće suradnje.

Predmetni događaj će se održati 25. Svibnja 2023. godine u 11:00 sati u prostorima Lučke uprave Ploče (Glavna cesta 2, Ploče, zgrada Ulaznog terminala, 1. Kat).

Dobro nam došli!

Ravnatelj Lučke uprave Ploče Dr. sc. Tomislav Batur

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Javno događanje Projekt "SUSPORT" i studijski posjet Projekt DIGSEA (Local Public Event Project SUSPORT and Study Visit Project DIGESEA)

PROGRAM/AGENDA 25, 05, 2023.

11:00 Registracija / Registration

- 11:10 Pozdravni govor Dr. sc. Tomislav Batur, Ravnatelj, Lučka uprava Ploče (Welcome speech – Dr. sc. Tomislav Batur, Executive Manager, Port of Ploče Authority)
- 11:20 Prezentacija projekta SUSPORT Željko Vlahović, Darko Plećaš, Lučka uprava Ploče (Presentation of the project SUSPORT – Željko Vlahović, Darko Plećaš, Port of Ploče Authority)
- 11:30 Prezentacija pilot aktivnosti, Zamjena postojeće rasvjete s LED tehnologijom, Milan Mihaljević, Lučka uprava Ploče (Presentation of the pilot activity - Replacement of the existing port lightning system with energy-efficient technology, Milan Mihaljević, Port of Ploče Authority)
- 11:45 Prezentacija pilot aktivnosti Nabava i implementacija zaštitnih brana,
 Zvonimir Vrankić, Lučka uprava Ploče
 (Presentation of the pilot activity Purchase and implementation of
 environment protection barriers, Zvonimir Vrankić, Port of Ploče Authority)
- 12:00 Prezentacija pilot aktivnosti, Izmjena sustava hlađenja za potrebe podatkovnog centra; Instalacija senzornih stanica za nadzor i mjerenje, Darko Plećaš, Lučka uprava Ploče (Presentation of the pilot activity Replacement of the existing air condition system in data center with energy-efficient technology; Installation of sensors and monitoring stations Darko Plećaš, Port of Ploče Authority)

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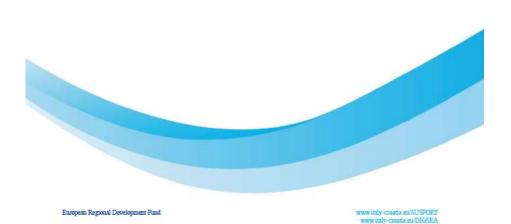
Prezentacija pilot aktivnosti, Nabava distributivno zaštitnih serverskih ommara za potrebe smještaja ICT opreme s efikasnim sustavom hlađenja i distribucije energija s zaštitom od požara, vode, prašine, dima i neovlaštenog ulaza; Upravljanje incidentima s ciljem očuvanja okoliša, Darko Plečaš, Lučka uprava 12:10

> (Presentation of the pilot activity, Micro Data Center solution for Data Recovery site; Digital Green Incident Management - Darko Plećaš, Port of Ploče Authority)

Prezentacija projekta DIGSEA – gosp. Marijan Cukrov, Ravnatelj, Klaster intermodalnog prijevoza (Project Presentation DIGSEA – Mr. Marijan Cukrov, Director, KIP) 12:20

12:50 Rasprava (Discussion)

13:00 Domjenak (Light lunch)

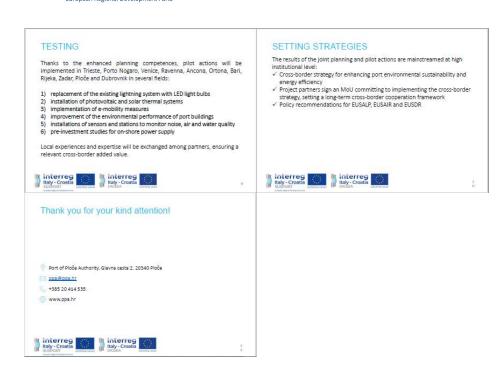




Presentation number 1:









Presentation number 2:





PILOT ACTIVITES

- * Replacement of the existing part lightning system with energy-efficient technology (A4.2) = 83.000,00 c
- Purchase and implementation of environment protection barriers (A4.2) —
- 42.500,00€

 Replacement of the existing air condition system in Fort of Pioče Authority data center with energy-efficient technology (A4.2) 49.000,00€

 Installation of sensors and stations for rounitoring noise, air and water quality to measure concentrations in port areas and to display measurements with related development of IT platform to support data exchange within subsystems [A4.2] 32.000,00€

PILOT ACTIVITES

- Micro Data Center solution for Data Recovery site with efficient cooling system and intelligent electrical power distribution. Will be located in port of Ploca area where physical protection is also needed against fire, water, dust, smoke and external access. 34,000,00 f.
- societis. 34,000,00 E

 Digibil Green incident Management Slow and incorrect actions when dealing with an incident or disruption (e.g., accident on a port terminal) leads to the emergence from a small incident to a cruis and thus to unnecessary consumption of resources or consequences for people and the emirronment. This is exactly where every second / finintet that is sweet through a quick and structured incident management approach is crucial. Especially if dangerous hazards are involved in an incident analysis showed that each minute where the situation is deared faster there is a significant protection of the surrounding environment. Furthermore, unnecessary CO2 consumption is significantly reduced due to a faster, more structured and optimized approach. 25,000,004.



















PILOT ACTIVITES - Technical documents

- Professional supervision services for the execution of electrical works for the facility: energy renovation of outdoor lighting on sections of port road 1 and 2, Shunting track 1 and 2
- Preparation of analysis and feesibility study of the use of renewable energy sources in the area of the entrance terminal of the Port of Ploče with the aim of energy efficiency
- Preparation of a feasibility study for the project of application of the power supply system (Cold ironing) for ships from the mainland in the Port of Place with the aim of energy efficiency

PILOT ACTIVITES - Technical documents

- · Fotential calculation, development of preliminary and main design of solar power plant 70-100kW
- · Project of adaptation and air conditioning to a photovoltaic power plant
- · Professional assistance service for external consultants in drafting documents TNA, Action plan
- The technical project documentation as prerequipite for the Replacement of the existing eir condition system in Port of Ploce Authority data centre with energy efficient technology (A4.2)





















PILOT ACTIVITES - Description

- · Replacement of the existing port lightning system with energy-efficient technology (A4.2)
 - Rectinatory used for the existing lighting system is based on high-pressure Sodium with a total installed capacity of approximately 15 kW. The new built-in lighting would consist of LED reflectors with a total installed power of approx. 4-5 kW.
 - With the installation of new The LED reflectors Port of Ploce Authority will achieve significant savings, increase the level of illumination and safety in these locations. These areas are public areas managed by Port of Ploce Authority.

PILOT ACTIVITES - Description

- · Replacement of the existing port lightning system with energy-efficient technology (A4.2)

 - With the aim of improving energy efficiency and safety at the port, the Port of Ploce Authority has replaced the existing port lighting system.
 Total of 23-1ED light builts and one LED lighting reflector were installed at the Shunting group No. 1. Shunting group of the Bulk Cargo Terminal and Port Main Road No. 1 and 2.
 - Total investment amounted to 83,000 EUR. The existing fighting system was over 30 years old. The new lighting system requires nearly no maintenance, and it will consume only one third of the energy compared to the former port lighting system.























PILOT ACTIVITES - Description

- · Replacement of the existing port lightning system with energy-efficient technology (A4.2)
 - · Glavna lucke cesta No. 1 and 2
 - Ranžima grupa kolosijeka TRT-a
 - · Ranžima grupe kolosijeka No. 1.
- · Total installed capacity before the reconstruction project approx. 50 kW
- * Total installed capacity after the reconstruction project 15 NW
- Total savings of approximately 70 % (ccs 100 000 kn/year)
- · Return on investment approx. 5-6 years









PILOT ACTIVITES - Description

- · Replacement of the existing port lightning system with energy-efficient technology (A4.2)
 - Glavna lučke cesta No. 1 and 2
 - Lighting of the main pure road no. 1 and 2 consist of 23 lighting poise with a distance of 35 nr. A double-cited cornols is meanifed on the pole, carrying two reflectors each with a power of 400 W [high-pressors Sodium).
 - sum a power of 400 W (high-pressure Sodiare). This has been replaced by a new design substicut that involves the dismenting of the shouldo-inded console and sainting lighting fintums and the installation of a replacement LID spotlight with a power of 210 W (24 pieces). An additional lightlin was also added that illuminates the interaction of these two results near the container terminal.
 - Textinja rasvijetljamat 15.14, minimalne mavijetljanost 8.4 la, mala rasvijetljanost 25.1 lc.











PILOT ACTIVITES - Description

- · Replacement of the existing port lightning system with energy-efficient technology (A4.2)
 - . Ranzima grupa No. 1.
 - Lighting of the navideox group no. 1 canalists of 7 fighting poles (15 m in height) with a distant of 30-300 m from each other, outside is recorded on the pole, carrying 4 spotlights each with a power of 800 W [high-persons Messay].
 - This has been replaced by a new design solution that transfers retaining the satisfier councils and classaciting the satisfiers lighting Roburns and tratalling replacement LED spotlights with a power of 223 W.
 - The total installed capacity of this sting group has been reduced from the existing 25.2 kW, to
 - Medium (flurringtics 14.1 b. volvinues (flurringtics 5.7 b), reprinsing (flurringtics 25.1 b).
 - The results of Shaviyation are personalized lower than in the road cloce it is a very large arm and a large number of Tracks in the manhalling group that another to be covered with the sainting grid of lighting poles.

PILOT ACTIVITES - Description

- . Replacement of the existing port lightning system with energy-efficient technology (A4.2)
 - · Ranzima grupe TRT
 - The lighting of the TRT clusting group consists of 2 lighting pulse (33 in high) with a distance of 70 in those each other. A consule is resourted on the pole, carrying 6-quitights each with a power of 500 W high-pulsesure Marcays.
 - This has been replaced by a new shalgs substant that too less relaining the existing co-cools and alternatible the existing lighting flutures and installing replacement LED opositifies with a power of 221 W.
 - The total installed capacity of this alleggroup has been reduced from the soleting 9 kW to 2,7
 - Medium (flumination 15.1 b., minimum (flumination 5.4 b., maxin



















PILOT ACTIVITES - Description

- · Purchase and implementation of environment protection barriers (A4.2)
 - Port of Pioce Authority will purchase Environment protection barrier to increase safety in port area (sea side). Environment protection barrier will be mobile so that could be used in difficurit port areas (sea side) if needed, it will be stored in special declicated container located on special declicated place in port area under supervision of Port of Pioce Authority.
 - In July 2021 the Port of Picia Authority has contracted the purchase of the nil containment house. The value of the equipment amounts to 42.95. EUR, which includes 345 m long floating barrier with towing betides are all at blower.

 It will be used to contain oil apills in the port of Picia. This investment will allow the Purt of Picia Authority to effectively respond to any marine oil apill incident at the port of Picia.

PILOT ACTIVITES - Description

- Purchase and implementation of environment protection barriers (44.2)
 - Port of Ploce Authority will purchase Environment protection barrier to increase safety in port area (see side). Environment protection barrier will be mobile on that could be used in different port areas; [see side] if needed, it will be stored in special dedicated container located on special dedicated place in port area under supervision of Port of Floce Authority.
 - In July 2021 the Port of Piobs Authority has contracted the purchase of the sill confinement boom. The value of the epilpment amounts to 42.851 EUR, which includes 345 m long floating barrier with towing bridles and air blows.

 It will be used to contain oil splils in the port of Pioče. This investment will allow the Port of Pioče Authority to effectively respond to any marine oil splil incident at the port of Pioče area.



























